

A.F. 2/17/05

Amendments to the Claims

What is claimed is:

1. (original) A vaccine comprising a non-neuroinvasive rabies virus wherein a glycoprotein gene of said non-neuroinvasive rabies virus is replaced with a glycoprotein gene of a neuroinvasive rabies virus to produce an attenuated recombinant rabies virus for vaccination.
2. (original) The vaccine of Claim 1 wherein said vaccination comprises an oral vaccination.
3. (original) The vaccine of Claim 1 wherein said attenuated recombinant rabies virus slows down an uptake of a rabies virus into a cell.
4. (original) The vaccine of Claim 3 wherein said cell is a neuron.
5. (original) The vaccine of Claim 1 wherein said glycoprotein gene of a neuroinvasive rabies virus comprises a glycoprotein gene encoding a cytoplasmic tail from a heterologous glycoprotein gene.
6. Cancelled
7. (original) A vaccine comprising a rabies virus wherein a pre-apoptotic cytochrome c gene is inserted into said rabies virus such that a pro-apoptotic protein is expressed from said pro-apoptotic gene to produce a recombinant rabies virus for vaccination.
8. Cancelled
9. (original) The vaccine of Claim 7 wherein said vaccination is an oral vaccination.
10. (currently amended) The vaccine of Claim 7 wherein said pre-apoptotic protein induces an acceleration of apoptosis.

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